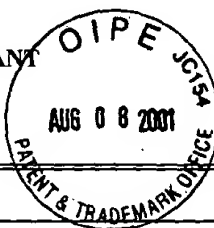


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Not Yet Known**REFERENCE DESIGNATION U.S. PATENT DOCUMENTS**

EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUB- CLASS	FILING DATE IF APPROPRIATE
PT	AA	4,417,985	11/29/83	Keane	210	707	11/06/1981
	AB	4,610,729	09/09/86	Keane	134	25.1	08/13/1985
	AC	4,698,148	10/06/87	Keane	208	390	06/19/1986
	AD	4,704,200	11/03/87	Keane	208	390	10/17/1984
	AE	4,832,833	05/23/89	Keane	208	390	05/19/1987

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REFERENCE DESIGNATION U.S. PATENT DOCUMENTS

EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUB- CLASS	FILING DATE IF APPROPRIATE
py	AA	3,229,777	01/18/66	Rogers et al.	175	71	03/22/1961
	AB	3,243,000	03/29/66	Patton et al.	175	65	06/23/1965
	AC	3,246,696	04/19/66	Fox, Jr.	166	46	10/25/1963
	AD	3,269,468	08/30/66	Phansalkar et al.	175	71	07/20/1962
	AE	3,313,362	04/11/67	Schneider	175	71	02/03/1965
	AF	3,334,052	08/01/67	Kurz	252	316	04/30/1963
	AG	3,393,738	07/23/68	Bernard et al.	166	29	01/30/1967
	AH	3,610,340	10/05/71	Hutchinson et al.	166	311	07/07/1969
	AI	3,754,561	08/28/73	Sharman et al.	137	13	02/04/1972
	AJ	3,819,519	06/25/74	Sharman et a.	252	8.5 C	06/08/1972
	AK	4,008,766	02/22/77	Savins	252	8.5 A	03/01/1976
	AL	4,013,568	03/22/77	Fischer et al.	252	8.5 C	12/11/1975
	AM	4,036,764	07/19/77	Fischer et al.	639,	8.5 C	10/14/1975
	AN	4,088,583	05/09/78	Pyle et al.	252	8.5 C	12/02/1976
	AO	4,092,252	05/30/78	Fischer et al.	252	8.5 A	05/04/1976
	AP	4,155,410	05/22/79	Jackson, deceased et al.	919	142	06/26/1978

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OTHER ART (Including Author, Title, Date, Pertinent Pages, Etc.)

py	AQ	Article entitled "Underbalanced Drilling Manual," Published by Gas Research Institute, GRI Ref. No. GRI-97/0236, 1997.					
py	AR	Article entitled "Treatability of Water-based Drilling Fluids Using Colloidal Gas Aphrons," D. Roy, K.T. Valsaraj, and V.J. Amedee, Departments of Civil Engineering and Chemical Engineering, Louisiana State University, Baton Rouge, LA., March 1992.					
py	AS	SPE 39589 "Microbubbles: New Aphron Drill-in Fluid Technique Reduces Formation Damage in Horizontal Wells," Tom Brookey, SPE, ActiSystems, Inc., February 18-19, 1998.					
py	AT	Article entitled "Drill-in Fluids Improve High-angle Well Production," Petroleum Engineer Intn'l., 1995.					
py	AU	Article entitled "Microbubbles: Generation and Interaction With Colloid Particles," J.B. Melville and E. Matijevic, Institute of Colloid and Surface Science and Department of Chemistry, Clarkson College of Technology, Potsdam, New York, 1995.					

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PF	AV	4,162,970	07/31/79	Zlokarnik	210	15	07/25/77
	AW	4,217,231	08/12/80	King	252	8.55 R	08/14/1978
	AX	4,247,405	01/27/81	Wier	252	8.55 D	06/30/1978
	AY	4,387,032	06/07/83	Chiesa, Jr.	252	3	12/01/1980
	AZ	4,391,339	07/05/83	Johnson, Jr. et al.	175	393	12/01/1980
	BA	4,432,881	02/21/84	Evani	252	8.5 A	02/06/1981
	BB	4,442,018	04/10/84	Rand	252	307	11/01/1982
	BC	4,486,333	12/04/84	Sebba	252	307	03/23/1982
	BD	4,565,647	01/21/86	Llenado	252	354	07/12/1982
	BE	4,684,479	08/04/87	D'Arrigo	252	307	08/14/1985
	BF	4,717,515	01/05/88	Forsyth et al.	261	122	09/18/1986
	BG	4,743,383	05/10/88	Stewart et al.	252	8.51	11/24/1986
	BH	4,964,465	10/23/90	Surles	166	295	11/06/1989
	BJ	5,024,276	06/18/91	Borchardt	166	308	11/28/89
	BJ	5,030,366	07/09/91	Wilson et al.	252	8.55.1	11/27/1989
PF	BK	5,086,974	02/11/92	Henshaw	239	590	12/18/1990

FOBIREIGN PATENT DOCUMENTS

		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUB-CLASS	Translation
							YES NO

OTHER ART (Including Author, Title, Date, Pertinent Pages, Etc.)

BL	Article entitled "Separation of Organic Dyes From Wastewater by Using Colloidal Gas Aphrons," D. Roy, K.T. Valsarj, and S.A. Kottai, Marcel Dekker, Inc., 1992.
BM	Article entitled "Hidraulica Forajului," also an English Translation of pp. 444-455, October 10, 1982.
BN	H1000, Patel et al, Filed August 16, 1990, Published December 3, 1991.
BO	H837, Peiffer et al, Filed July 5, 1989, Published November 6, 1990.

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EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUB- CLASS	FILING DATE IF APPROPRIATE
PP	BQ	5,105,884	04/21/92	Sydansk	166	270	08/10/1990
	BR	5,129,457	07/14/92	Sydansk	166	274	03/11/1991
	BS	5,134,118	07/28/92	Patel et al.	507	121	02/22/1991
	BT	5,175,278	12/29/92	Piek et al.	536	123	09/04/1990
	BU	5,296,164	03/22/94	Thach et al.	252	307	07/02/1992
	BV	5,310,002	05/10/94	Blauch et al.	166	307	04/17/1992
	BW	5,314,644	05/24/94	Michelsen et al.	261	84	10/19/1992
	BX	5,352,436	10/04/94	Wheatley et al.	424	9	11/22/1993
	BY	5,372,462	12/13/94	Sydansk	405	264	11/01/1993
	BZ	5,397,001	03/14/95	Yoon et al.	209	170	11/30/1992
	CA	5,495,891	03/05/96	Sydansk	166	295	11/08/94
	CB	5,529,122	06/25/96	Thach	166	281	12/15/1994
	CD	5,565,416	10/15/96	Wu	507	103	01/10/1994
	CE	5,566,760	10/22/96	Harris	166	308	09/02/1994
PP	CF	5,567,741	10/11/96	Casey et al.	521	133	06/03/1993

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EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUB- CLASS	FILING DATE IF APPROPRIATE
17	CG	5,639,443	06/07/97	Schutt et al	424	9.52	03/16/1995
	CH	5,654,260	08/05/97	Wu	507	264	06/02/1995
	CI	7,706,895	01/13/98	Sydansk	166	294	12/07/1995
	CJ	5,281,203	10/13/98	Williamson	507	102	08/04/1995
	CK	5,858,928	01/12/99	Aubert et al.	507	128	11/22/1995
	CL	5,916,849	06/29/99	House	507	110	07/24/1998
	CM	5,977,030	11/02/99	House	507	110	01/11/1999
	CN	6,127,319	10/03/00	House	507	110	10/29/1999
	CO	6,148,917	11/21/00	Brookey et al.	166	301	02/09/1999
17	CP	6,156,708	12/05/00	Brookey et al.	507	102	12/05/2000

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REFERENCE DESIGNATION U.S. PATENT DOCUMENTS

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PT	AA	3,637,014	01/25/1972	JONES	166	273	03/02/1970
PT	AB	4,707,281	11/17/1987	MILLER et al.	252	8.514	06/03/1985
PT	AC	5,513,712	05/07/1996	SYDANSK	175	69	12/27/1994

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